**Program: (vowels.l)**

%{

int vow\_count=0;

int const\_count =0;

%}

%%

[aeiouAEIOU] {vow\_count++;}

[a-zA-Z] {const\_count++;}

%%

int yywrap(){}

int main()

{

printf("Enter the string of vowels and consonants:");

yylex();

printf("Number of vowels are: %d\n", vow\_count);

printf("Number of consonants are: %d\n", const\_count);

return 0;

}

**Output:**

G:\lex>flex vowels.l

G:\lex>gcc lex.yy.c

G:\lex>a.exe

Enter the string of vowels and consonants: Vowel sounds allow the air to flow freely, causing the chin to drop noticeably, whilst consonant sounds are produced by restricting the air flow

, ,

Number of vowels are: 42

Number of consonants are: 77

^C

G:\lex>

